

Selective reduction of adipyl...

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B101/B220

pressure of 100 atm. The reaction products were divided into three fractions: I) hexamethylene imine (boiling point 137°C, boiling point of the azeotropic mixture with water 95°C); II) hexamethylene diamine (boiling point 95 - 100°C at 20 mm Hg); and III) ϵ -amino capronitrile (boiling point 118-120°C at 20 mm Hg). The high boiling residue was composed of non-reacted dinitrile and of bis-hexamethylene triamine. A Ni-Ti-Al skeleton catalyst and a nickel boride catalyst manufactured by the following method were used: A 20% aqueous solution of sodium boron hydride was added in an amount of 60 ml to 250 ml of a 10% aqueous solution of nickel chloride in such a way that the temperature did not surpass 50°C. This catalyst was modified with chromium by adding, moreover, 10 ml of a 10-30% chromium nitrate solution to the solution of the nickel salt. Results are listed in Tables 1 and 2. Furthermore, the hydrogenation of the reaction products has been studied (Table 3). The following conclusions were drawn from these data: The selectivity of the nickel-skeleton catalyst increases with increasing content of titanium. On the nickel boride catalyst, a selective hydrogenation of the dinitrile to amino-nitrile takes place. Under optimum conditions (20% catalyst, presence of NH₃, 75-80°C, P_{H₂} = 95-100 atm) 50-60% amino nitrile and

Card 2/8

Selective reduction of adipyl...

S/062/61/000/001/013/016
B101/B220

only 2-5% diamine are formed. The incomplete conversion of the dinitrile is due to the fact that amino nitrile excludes it from adsorption. Cyclohexamethylene imine is formed only in the second stage of the process. The formation of bis-hexamethylene triamine increases if a mixture of dinitrile and hexamethylene diamine is hydrogenated. As in the case of other catalysts, ammonia suppresses the formation of secondary amines. These facts confirm the aldimine mechanism of the hydrogenation of dinitrile. There are 3 tables and 4 references: 2 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR
(Institute of Organic Chemistry imeni N. D. Zelinskogo of Academy of Sciences USSR)

SUBMITTED: August 4, 1959

Card 3/8

155546 2209 1303, 1436

27496
S/062/61/000/009/012/014
B117/B101

AUTHORS: Freydlin, L. Kh., Sladkova, T. A., Kudryavtsev, G. I.,
Sheyn, T. I., Zil'berman, Ye. N., and Fedorova, R. G.

TITLE: Catalytic hydrogenation of aromatic nitriles and the
properties of polyamides obtained from p-(β,β' -diamino-diethyl)
benzene

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh
nauk, no. 9, 1961, 1713-1715

TEXT: The hydrogenation of p-phenylene diacetondinitrile to give p-(β,β' -
diamino-ethyl) benzene:

$\text{NC-CH}_2\text{-C}_6\text{H}_4\text{CH}_2\text{CN} \rightarrow \text{H}_2\text{N-C}_2\text{H}_4\text{-C}_6\text{H}_4\text{-C}_2\text{H}_4\text{-NH}_2$ and the properties of the
polyamides based on this diamine were studied. The p-phenylene diacetodi-
nitrile (m.p. 95°-97°C) was prepared from acetone cyanohydride and
p-xylylene dibromide. Hydrogenation was carried out at 100°-105°C and an
initial hydrogen pressure of 100 atm in a rotating autoclave of 0.175 liter
capacity. Dioxane, methyl alcohol, or ethyl alcohol containing some
ammonia were used as mediums. The catalysts were prepared by exhaustively
Card 1/4

Catalytic hydrogenation of ...

27496
S/062/61/000/009/012/014
B117/B101

leaching powdered 50% nickel-aluminum- and cobalt-aluminum alloys with 10% aqueous NaOH solution. The catalysts were then washed with water up to neutral reaction against phenolphthalein. Cobalt skeleton catalyst leached with 25-30% aqueous alkali solution at maximally 15°C (Ref. 5: see below) was used in some experiments. Diamine yields are strongly influenced by the nature of the catalyst and its preparation method. The yield is 64-65% in the case of nickel skeleton catalyst, 74% with cobalt skeleton catalyst leached at 90°-100°C, and 94% with catalyst prepared by "cold leaching". The authors also studied the polycondensation of p-(β , β' -diamino-diethyl) benzene with adipic acid and terephthalic acid. Addition of acetone to an equimolar mixture of aqueous diamine- and adipic acid solutions precipitates the salt. This salt is crystallized twice from water, yielding a white crystalline substance, m.p. 200°-202°C ($C_{16}H_{26}N_2O_4$). The polyamide was obtained by polycondensation of this salt at 260°-280°C. Polycondensation occurs in the solid phase below the melting point of the polyamide. This polyamide based on p-(β , β' -diamino-diethyl) benzene and adipic acid was also prepared at 20°C by heterophase polycondensation: reaction between the aqueous diamine solution (with sodium carbonate added) and adipic chloride in benzene. Polyamides were

Card 2/4

Catalytic hydrogenation of ...

27496
S/062/61/000/009/012/014
B117/B101

also prepared in an analogous manner by reaction of terephthalic- and sebacic chlorides in methylene chloride with aqueous diamine solutions containing alkali to bind the hydrochloric acid formed, according to the method by P. W. Morgan (Ref. 8, see below). In all experiments, poly-condensation of adipic acid with the diamine under investigation yielded a polyamide having a melting point of 314°-320°C. It is soluble in concentrated H₂SO₄, cresol, formic acid, hydrochloric acid, and insoluble in organic solvents. Polyamides of higher mol wt. are obtained by increasing the reaction temperature and reaction time. The relative viscosity of these polyamides in concentrated H₂SO₄ is increased from 1.73 to 2.69. By spinning these high-molecular polyamides from their melts at 335°-340°C fibers capable of orientation at high temperatures were obtained. The polymer properties are also affected by the purity of the amino salt used. If the salt is only recrystallized once, colored polyamides of lower molecular weight are formed. There are 2 tables and 8 references: 3 Soviet and 5 non-Soviet. The four most recent references to English-language publications read as follows: F. G. Lum, E. F. Carlston, Industr. and Engng Chem. 44, 1595 (1952); E. F. Carlston, F. G. Lum,

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Card 3/4

Catalytic hydrogenation of ...

27496
S/062/61/000/C09/012/014
B117/B101

Industr. and Engng Chem. 49, 1239 (1957); Ref. 5: B. V. Aller, J. Appl. Chem. 1, 130 (1957); Ref. 8: P. W. Morgan, SPE-Journal 15, 485 (1959).

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskogo of the Academy of Sciences USSR); Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute of Synthetic Fibers)

SUBMITTED: March 28, 1961

Card 4/4

VDOVIN, V.M.; SULTANOV, R.; SLADKOVA, T.A.; FREYDLIN, L.Kh.; PETROV, A.D.

Addition of alkoxy silane hydrides to unsaturated nitriles and
hydrogenation of ω -cyanoalkylalkoxysilanes obtained. Izv.AN
SSSR.Otd.khim.nauk no.11:2007-2012 N '61. (MIRA 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Nitriles) (Silane)

FREYDLIN, L.Kh.; SLADKOVA, T.A.

Mechanism of secondary and tertiary amine formation in the process of catalytic hydrogenation of adiponitrile to hexamethylenediamine. Izv. AN SSSR Otd.khim.nauk no.2:336-341 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Adiponitrile)
(Hexanediamine)

FREYDLIN, L.Kh.; SLADKOVA, T.A.

Direction of the catalytic reduction of dinitriles as affected
by their structure. Dokl. AN SSSR 143 no.3:625-628 Mr '62.
(MIRA 15:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
Predstavлено академиком А.А.Balandinym.
(Nitriles)(Reduction,Chemical)(Catalysis)

PRYGOIN, I. K.; SLADKOVA, T. A.

Catalytic reduction of dinitriles. Usp. khim. 33 no. 6:664-686
Je '64. (MIRA 17:8)

I. Institut organicheskoy khimii AN SSSR imeni Zelinskogo.

SLADKOVA, T.A.; FREYDLIN, L.Kh.

Effect of the structure of a silicon-containing nitrile on the
course of its catalytic reduction. Izv. AN SSSR. Ser. khim. no.6;
1061-1065 '65. (MIRA 18:6)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

PREYOLIN, I.Kh., SLADKOVA, T.A., ENGLINA, F.E.

Reaction of hydrogenation of adipodinitrile on a nickel-magnesium catalyst in absence of ammonia. Izv. AN SSSR. Ser. khim. no.7:1248-1253 '65. (MIRA 18:7)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FREYDLIN, L.Kh.; PETROV, A.D.; SLADKOVA, T.A.; VDOVIN, V.M.

Catalytic hydrogenation of silicon-containing α and γ nitriles.
Izv. AN SSSR Otd. khim. nauk no.10:1878-1881 O '60. (MIR 13:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo Akademii nauk
SSSR.

(Nitriles) (Silicon organic compounds)
(Hydrogenation)

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29520
S/062/61/00/011/007/012
B103/3147

AUTHORS: Vdovin, V. M., Sultanov, R., Sladkova, T. A., Freydlin, L. Kh., and Petrov, A. D.

TITLE: Addition of alkoxy silane hydrides to unsaturated nitriles and hydration of the ω -cyano-alkyl-alkoxy silanes produced

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 11, 1961, 2007 - 2012

TEXT: The authors studied the addition of alkoxy silane hydrides to:
a) allyl cyanide; b) β -cyano-ethyl ether of allyl alcohol; and c)
acrylonitrile. It has been found that the addition takes place as follows: \checkmark
 $R'(RO)_2SiH + CH_2 = CHCH_2X \rightarrow R'(RO)_2SiC_2H_4CH_2X$, R' being $-CH_3$, $-OC_2H_5$, or
 $-OCH_3$; R being $-CH_3$, or $-C_2H_5$; and X being $-OCH_2CH_2CN$, or $-CN$. The reaction
takes place already at atmospheric pressure, if a mixture of equimolar
quantities of the reagents is boiled in the presence of Pt/C (20% of Pt)
or a 0.1 N solution of H_2PtCl_6 in isopropyl alcohol. The yields in
addition products were 40 - 50% related to the components used, and up to
Card 1/0

29520
S/062/61/000/011/007/012
B103/B147

Addition of alkoxy silane hydrides...

85% related to reacted unsaturated nitrile. Yields can be increased and the reaction time essentially reduced in sealed glass ampullas. The main reaction was accompanied in all cases by a disproportionation of the alkoxy radicals of the initial alkoxy silane hydrides: $2(\text{C}_2\text{H}_5\text{O})_3\text{SiH} \rightarrow (\text{C}_2\text{H}_5\text{O})_4\text{Si} + [(\text{C}_2\text{H}_5\text{O})_2\text{SiH}_2]$, whereby the dihydride formed continued to disproportionate. The frequencies of $-\text{CH}_3$ groups were absent in the infrared absorption spectra of the ω -cyano-alkyl trichlorosilane. For this reason, the structures: $\text{Cl}_3\text{SiCH}_2\text{CH}_2\text{CH}_2\text{CN}$ and $\text{Cl}_3\text{SiCH}_2\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{CN}$ were attributed to these nitriles. The ω -cyano-alkyl-trialkoxy silanes which were produced by addition of both trialkoxy silane hydride and HSiCl_3 to unsaturated nitriles, had identical properties. Thus, it is concluded that the addition of both $(\text{RO})_3\text{SiH}$ and Cl_3SiH to these nitriles proceeds in the same way, i. e., that the trialkoxy silyl group is placed at the end of the molecule. The interaction of $\text{CH}_3(\text{OC}_2\text{H}_5)_2\text{SiH}$ and unsaturated nitriles results perhaps in a mixture of products added to the double bond. This is proved by the wide boiling ranges of these products. An Card 2/0 /X

29520
S/062/61/000/011/007/012
B103/B147

Addition of alkoxy silane hydrides...

addition to the triple bond $-C\equiv N$ which could be possibly expected (in analogy to the data of Ref. 7, R. Calas et al. Compt. rend. 252, 420 (1961)), did not occur. Addition of $(C_2H_5O)_3SiH$ to acrylonitrile was achieved neither at atmospheric nor at elevated pressure in the presence of catalysts and other substances (in glass ampullas at $150 - 180^{\circ}C$); whereas acrylonitrile was polymerized and triethoxy silane disproportionated, or the initial substances remained unchanged. The ω -cyano-alkyl-triethoxy silanes produced were hydrated to the relevant primary amines in the presence of Co or Ni skeleton catalysts under pressure according to the previously described methods (A. D. Petrov et al. Dokl. AN SSSR, 129, 1064 (1959); L. Kh. Freylin et al. Izv. AN SSSR, Otd. khim. n. 10, 1878 (1960); V. N. Vdovin et al., author's certificate, SSSR 133683: Byull. izobreteniy SSR 23 (1960)) (Table 2). It has been found that the catalyst type and the structure of the nitrile have a remarkable effect on the yield in primary amine. The reaction was more selective in the presence of Co catalysts than of Ni catalysts. The yield in amine was higher on hydration of β -cyano-alkyl-trialkoxy silane than on reduction of β -cyano-ethyl-triethoxy silane. It has been established that hydration of ω,ω -(dic_n-no-alkyl)-tetraethoxy silanes to the relevant Card 3/12 X

29520
S/062/61/000/011/007/012
B103/B147

Addition of alkoxy silane hydrides...

primary α,ω -diamines is possible (Table 3). The α,ω -dinitriles mentioned were formed as by-products of etherification of ω -cyano-alkyl-trichlorosilanes. There are 3 tables and 12 references: 5 Soviet and 7 non-Soviet. The three most recent references to English-language publications read as follows: Ref. 3: L. H. Sommer et al. J. Amer. Chem. Soc. 79, 2764 (1957); Ref. 6: V. B. Jex, J. Mc Mahon, US-Patent 2907784; Chem. Abstr. 54, 4388 (1960); Ref. 11: B. V. Aller, J. Appl. Chem., 1, 130 (1957). X

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskogo of the Academy of Sciences USSR)

SUBMITTED: June 15, 1961

Table 1. Properties of organosilicon nitriles and dinitriles.
Legend: (1) boiling point (p , mm Hg); (2) found; (3) calculated.

Table 2. Catalytic hydration of alkyl-cyano silanes in the presence of skeleton catalysts.

Card 4/0 4

SLADKOVA, T.V.

Push conveyer, Stek. 1 ker. 18 no. 1-42 Ja '61, (MIRA 14:1)
(Conveying machinery) (Likino-Dulevo--Pottery)

SLADKOVA, T. V.

Conveyor with semiautomatic aerographs for ornamenting pottery.
Stek. i ker. 18 no.2:39-40 F '61. (MIPA 14:3)
(Pottery)

KASATKIN, P.S.; STRIZHUS, Zh.N.; SLADKOVA, V.N.

Micromechanism of the brittle fracture of large samples.
Avtom. svar. 17 no.12:1-7 D '64 (MIRA 18:2)

l. Institut elektrosvarki im. Ye.O.Patona AN UkrSSR.

MEKLER, M.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.;
VORONINA, A.N., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.;
KOZLOV, F.M., red.; LARIN, D.A., red.; LYALIKOV, N.I., red.;
MAMAYEV, I.I., red.; NIKISHOV, M.I., red.; RAUSH, V.A., red.;
SAMOYLOV, I.I., red.; SLADKOVA, Ye.A., red.; STROYEV, K.F., red.;
SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDELI, V.G., red.;
BUSHUYEVA, M.P., red.kart; DYUZHEVA, A.M., red.kart; KROTKOV, B.S.,
red.kart; MESYATSEVA, L.N., red.kart; PEKHOVA, Z.P., red.kart;
POLYANSKIYA, L.A., red.kart; SAFRONOVA, V.A., red.kart; FEDOTOVA,
N.I., red.kart; FETISOVA, N.P., red.kart; CHERNYSHEVA, L.N., red.kart;
BUKHANOVA, N.I., tekhn.red.; KUZNETSOVA, O.L., tekhn.red.; NIKOLAYEVA,
I.N., tekhn.red.
[Atlas of the U.S.S.R. for the secondary school; course in economic geography] Atlas SSSR dlia srednei shkoly; kurs ekonomicheskoi geografii.
Moskva, Glav.uprav.geodez. i kartografii M-va geol.i okhrany nedor SSSR,
1960. 50 p. (Geography, Economic--Maps) (MIRA 13:12)

SLADKOVICH, S. Ye.

Sladkovich, S. Ye. - "The mechanism of the action of solid carbondioxide in the treatment of skin diseases," Vestnik Venerologii i Dermatologii, 1949, No. 2, p. 18-21

SO: U-4934, 29 Oct 53. (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

SLADKOVICH, S.Ye.

Classification and nomenclature in dermatology. Vest. vener., Moskva
no.3:22-23 May-June 1953. (CIML 25:1)

SLADKOVICH, S.Ye. (Moscow)

Therapy of pyodermic and certain eczematous diseases. Vest.ven.
i derm. no.6:37-38 N-D '53. (MIRA 6:12)
(Skin--Diseases) (Eczema)

SLADKOVICH, S. Y.

Dissertation: "Dry Ice as a Medicinal Factor in Dermatology." Dr Med Sci, first Moscow Order of Lenin Medical Inst, 3 May 54. (Vechernaya Moskva, Moscow, 13 Apr 54)

SC: SUM 243, 19 Oct 1994

SLADKOVICH, S.Ye. (Moskva)

Pathogenesis, classification, and nomenclature of eczema. Vest.derm.
i ven. 31 no.2:23-24 Mr-Ap '57. (MIRA 12:12)
(ECZEMA
pathogen., classif. & nomenclature)
(NOMENCLATURE
of eczema)

SLAVIKOVICH, S.Ye.

ABDUSAMETOV, R.Kh. (Semipalatinsk), ANTON'YEV, A.A., kand.med.nauk, (Rostov-na-Donu), BRZHEZKIY, V.Ch. (Tikhvin, Leningradskaya oblast') GRZHUBIN, Z.N., prof. (Chernovitsy), IVANOV, N.A., prof. (Leningrad) KAZAKOV, V.I., dets. (Stavropol' na Kavkaze), SLAVIKOVICH, S.Ye. (Moskva), TORSUYEV, N.A., prof. (Rostov-na-Donu), MAKSYMOWA, A.A. dets. (Rostov-na-Donu), FAYN, A.B., kand.med.nauk (Saratov) KHISTIN, L.I. prof. (Stanislav), YAKUBSON, A.K., prof. (Novosibirsk), LESNIKOV, Ye.P.. assistant (Novosibirsk)

Problems of teaching dermatovenerology in medical institutes. Vest. derm. i ven. 32 no.3:60-69 '56 (MIRA 11:7)

(Dermatology, educ.
in Russia (Rus))
(Syphilology, educ.
in Russia (Rus))

SLADKOVICH, Samuil Yefimovich; SUKHAREV, V.I., red.; POGOSKINA, M.V., tekhn.
red.

[Treatment of some diseases of the skin and mucosa with dry ice] Le-
chenie tverdoi uglekislotoi nekotorykh zabolovanii kozhi i slizistykh.
Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 113 p. (MIRA 14:7)
(DRY ICE--THERAPEUTIC USE) (SKIN--DISEASES)

SLADKOVICH, S. Ye. (Moskva)

Rationalization of current methods of treating syphilis. Vest.
derm. i ven. 36 no. 6:46-50 Je '62. (MIRA 15:6)

(SYPHILIS)

SLADKOVICH, S. Ye. (Moskva)

History of the development of cryotherapy in dermatology (In connection with the 50th anniversary of Soviet CO₂ cryotherapy and the 20th anniversary of the death of the method's founder, W. A. Pusey). Vest. derm. i ven. no.3:77-79 '62.
(MIRA 15:6)

(CARBON DIOXIDE—THERAPEUTIC USE)
(COLD—THERAPEUTIC USE)
(DERMATOLOGY)

POMELOV, V.S.; SLADKOVICH, V.S.

Method of pneumomediastinography and its role in evaluating operability in cancer of the esophagus. Khirurgiia no.3:79-84 '62. (MIRA 15:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni N.N. Burdenko (zav. - zasluzhennyy deyatel' nauki prof. N.N. Yelasnkiy) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. (PNEUMOMEDIASTINUM) (ESOPHAGUS--CANCER)

SHKROB, O.S. (Moskva, V-48, Novodevichiy prospekt, d.2, kv. 142);
POMELOV, V.S.; SLADKOVICH, V.S.

Diagnosis of inoperability in pulmonary cancer. Grudn. khir. 4
no.5866-72 S-0'62 (MIRA 17:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - zasluzhennyy edeyatel' nauki prof. N.N. Yelanskiy) I Moskovskogo meditsinskogo instituta imeni I.M.Sechenova.

USPENSKIY, L.V.; SLADKOVICH, V.S.

Y-ray examination of the thyroid gland in myasthenia. Khirurgija
40 no.12:35-38 D '64. (MIRA 18:3)

1. Fakul'tetskaya khirurgicheskaya klinika (zav.- prof. N.N.
Yelanskiy [deceased()] I Moskovskogo ordena Lenina meditsinskogo
instituta imeni Sechenova.

KATSOBASHVILI, Ya.R.; BRUN-TSEKHOVOY, A.R.; SHCHEKIN, V.V.; SLADKOVSKAYA, I.R.

Microspherical nickel-alumina catalysts for the conversion of
natural gas flown through. Kin.i kat. 2 no.4:567-573 J1-Ag '61.
(MIRA 14:10)

1. Institut neftekhimicheskogo sinteza AN SSSR.
(Gas, Natural) (Catalysis)

SLADKOVSKY, Karel, inz.; SCHULZ, Richard

Automatic control for emergency service of steam counter-pressure turbines. Energetika Cz ll no.2:77-80 F '61.

SLADKOVSKIY, M. I.

Ocherki Razvitiya Vneshneekonomiceskikh Otnosheniy Kitaya [Outlines of Development
of the Foreign Economic Relationships of China] Moskva, Vneshtorgizdat, 1953.

302 p. Map, Diagrs. Tables.

"Bibliografiya": P. 293-299.

IL/5

751

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SLADKOWSKI, M.

Further consolidation of the socialist economy of the Chinese
Peoples's Republic. Vop.ekon.no.12:56-69 D '56. (MLRA 10:2)
(China--Economic conditions)

SLADKOVSKIY, M.I.

GORYUNOV, V.P., red.; SLADKOVSKIY, M.I., red.; FOKIN, D.F., red.;
RASSUZHDAYEV, A.V., red.; BORISOVA, L.M., red.; GURKIN, V.G.,
tekhn.red.

[Foreign commerce of the U.S.S.R. with socialist countries]
Vneshniaia torgovlia SSSR s sotsialisticheskimi stranami.
Moskva, Vneshtorgizdat, 1957. 212 p. (MIRA 11:4)

1. Moscow. Novichno-issledovatel'skiy kon'yunktturnyy institut.
(Russia--Commerce)

SLADKOVSKIY, M.I., redaktor; KAPELIMSKIY, Yu.N., redaktor; LEVITAN, I.M.,
redaktor izdatel'stva; LEVCHUK, K.V., redaktor izdatel'stva;
LEKANOVA, I.S., tekhnicheskiy redaktor

[Economic development of Asiatic people's democracies; a review of
1956] Razvitiye ekonomiki stran narodnoi demokratii Azii; obzor za
1956 g. Moskva, Vneshtorgizdat, 1957. 318 p. (MIRA 10:10)

1, Moscow. Nauchno-issledovatel'skiy kon'yunkturnyy Institut
(Asia--Economic conditions)

SLADKOVSKIY, M.

Indestructible Sino-Soviet friendship [with summary in English, p.41].
(MIRA 10:4)
Vnesh. torg. 27 no. 2:2-4 '57.
(China--Commerce--Russia) (Russia--Commerce--China)

SLADKOVSKIY M.
~~SLADKOVSKIY, M.~~

Progress of sino-Soviet trade. Vnesh.torg. 27 no.10:2-6 '57.
(MIRA 10:11)
(Russia--Commerce--China) (China--Commerce--Russia)

ZOLOTAREV, V.I.; PEKSHEV, Yu.A.; AVSENEV, Yu.M.; KAPRANOV, I.A.; KISVYANTSEV,
L.A.; SHVETSOV, N.I.; TELEGIN, Ya.I.; POTAPOV, V.I.; KISVYANTSEV,
L.A.; ZYKOV, A.A.; NETRUSOV, A.A.; SENIN, V.P.; MAKSIMOVA, A.P.;
NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; KALASHNIKOV, A.A.; PLAJSIN, S.V.;
POPOV, N.N.; KARSHINOV, L.N.; YAKIMOV, T.A.; BASHKANIKHIN, I.K.;
KETKOVICH, A.Ya.; SHALASHOV, V.P.; VORONKOV, F.N.; VEKSHIN, G.K.;
CHISTYAKOV, M.A.; IVANOV, N.I., red.; SLADKOVSKIY, M.I., red.;
LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development of the people's democracies] Razvitiye ekono-
miki stran narodnoi demokratii; obzor za 1957 g. Pod red. N.I.
Ivanova i dr. Moskva, Izd-vo sots.-ekon.lit-ry, 1958. 619 p.
(MIRA 12.7)
1. Moscow. Nauchno-issledovatel'skiy kon'yunktturnyy institut.
(Economic conditions)

ZOLOTAREV, V.I.; PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSHENKOV, Yu.M.;
KISVYANTSEV, L.A.; SHVETSOV, N.I.; TELEGIN, Ye.I.; ZYKOV, A.A.;
SENIN, V.P.; NETRUSOV, A.A.; GAVRILOV, V.V.; NIKOLAYENKO, Zh.I.;
VOLKOV, N.V.; KALASHNIKOV, A.A.; PLAKSIN, S.V.; POPOV, N.N.;
KARSHINOV, L.N.; YAKIMOV, T.A.; SHALASHOV, V.P.; KOSONOGOV, L.A.;
PUSENKOV, N.N.; SLADKOVSKIY, M.I., red.; IVANOV, N.I., red.;
LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development in the people's democracies; review for
1958] Razvitiye ekonomiki stran narodnoi demokratii; obzor za
1958 g. Pod red. M.I. Sladkovskogo i dr. Moskva, Izd-vo sotsial'-
no-ekon.lit-ry, 1959. 358 p. (MIRA 13:?)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktturnyy institut.
(Communist countries--Economic conditions)

KAPELINSKIY, Yu.N., kand.ekonom.nauk; KISVYANTSHEV, L.A.; PANKIN, M.S.; PEKSHEV, Yu.A., kand.ekonom.nauk; SEMIN, V.P.; SYCHOV, V.G.; FIGURNOV, P.K., prof., red.; SLAIKOVSKIY, M.I., doktor ekonom. nauk, red.; LEVITAN, I.M., red.izd-va; PAVLOVSKIY, A.A., tekhn.red.

[Growth of the economy and the foreign commerce of the Chinese People's Republic] Razvitiye ekonomiki i vnesheekonomiceskikh sviazei Kitaiskoi Narodnoi Respubliki. Moskva, Vneshtorgizdat, 1959. 559 p.
(China--Economic conditions) (China--Commerce)

(MIRA 12:6)

SIADKOVSKIY, M.

Development of trade between the Soviet Union and the
Chinese People's Republic. Vnesh.torg. 29 no.10:2-10 '59.
(MIRA 12:12)
(Russia--Commerce--China) (China--Commerce--Russia)

PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSENOV, Yu.M.; MILONOV, V.S.; KISVYANTSEV, L.A.; TELEGIN,
Ya.I.; POTAPOV, V.I.; NETRUSOV, A.A.; ZYKOV, A.A.; KUDIN, B.M.; MAKSI-
MOVA, A.P.; NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; SHVETSOV, N.I.; PLAKSIN,
S.V.; PCPOV, N.N.; KARSHINOV, L.N.; YAKIMOVA, T.A.; SHALASHOV, V.P.;
VISYANIN, Yu.L.; KRASNOK, L.V.; PUSENKOV, N.N.; IVANOV, N.I., red.;
ZOLOTAREV, V.I., red.; SLADKOVSKIY, M.I., red.; LEPNIKOVA, Ye., red.;
KOROLEVA, A., mladshiy red.; NOGINA, N., tekhn. red.

[Economic development of the people's democracies; survey for 1959]
Razvitiye ekonomiki stran narodnoi demokratii; obzor za 1959 god. Pod
red. N.I. Ivanova i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1960.
(MIRA 14:6)
305 p.

1. Moscow. Nauchno-issledovatel'skiy kon'yunkturnyy institut.
(Europe, Eastern—Economic conditions)

BAVRIN, Ye.P.; MESHCHERYAKOV, M.V.; SLADKOVSKIY, M.I., doktor ekon. nauk,
red.; ZINCHENKO, V.S., red. izd-va; TSAGURIYA, G.M., tekhn. red.

[The Mongolian People's Republic; economy and foreign trade] Mongol'-
skaia Narodnaia Respublika; ekonomika i vneshniaia torgovlia. Moskva,
Vneshtorgizdat, 1961. 151 p. (MIRA 14:11)
(Mongolia--Commerce) (Mongolia--Economic conditions)

SLADKOVSKIY, N.

Regional automotive transportation units in the economic council
system. Avt.transp. 36 no.8:35-37 Ag '58. (MIRA 11:9)

1.Glavnyy inzh. transportnogo upravleniya Mosoblsovarkhoza.
(Transportation, Automotive)

SLADKOVSKIY, N.

Public automotive transportation should have special purpose
motor vehicles. Avt.transp. 40 no.3:8-10 Mr '62.
(MIRA 15:2)
1. Zamestitel' ministra avtomobil'nogo transporta i shosseynykh
dorog RSFSR.
(Motor vehicles)

SLADKOVSKY, Josef; ZAHORSKA, Katerina, promovany ekonom

Mechanization and automation of supplying services. Podnik
organizace 17 no.1:29-32 Ja '63.

1. Benzina, n.p., Praha (for Sladkovsky). 2. Vyzkumny ustav
elektroekonomickeho chemickeho prumyslu, Praha (for Zahorska).

SLADKOVSKY, K.

Preventing the parallel operation of a substitute generator, situated at a distance
in a grid not provided with a remote-control blocking device.

p. 256 (Elektrotechnik) Vol. 12, no. 8, Aug. 1957, Praha, Czechoslovakia

SC: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, Jan. 1958

"APPROVED FOR RELEASE: 08/24/2000

CIA-RDP86-00513R001651230001-2

SLADKOWSKA, J. (Lodz)

On the set of divergence points of continuous function Fourier series.
Fund mat 49 no.3:271-294 '61.

APPROVED FOR RELEASE: 08/24/2000

CIA-RDP86-00513R001651230001-2"

SLADKOWSKA-DUDEK, Bozena

Influence of dimethylamino-azo-benzene (butter yellow) on the growth
and development of the tadpole, Rana temporaria L. Prace zool no.6:
49-72 '62.

1. Institute of Animal Physiology, Jagiellonian University, Krakow.
Head: prof. dr A. Kulczycki.

SLADKOWSKI, Czeslaw, inz. (Wroclaw)

Tourist river cruiser for the Vistula Shipping Co. Bud okretowe
Warszawa 8 no.9:306,307 S '63.

SLADKOWSKI, Z.

SLADKOWSKI, Z. Remarks on the excursion to the German Democratic Republic.
p. 18, No. 11, Nov. 1956. Poland, Warszawa
Turysta

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4 - April 1957

SLADKÝ, JAN

✓ The ternary systems water-crotonylammonium
sulfate, Zdeněk Vevera and Jan Sladký. Collection
Czechoslov. Chem. Commun. 20, 555-571 (1955) (in German).
See C.A. 49, 7051.

E. J. C.

SLADKÝ J.

A

CZECHI

The ternary system water-caprolic acid-ammonium sulfate. Zdeněk Veverka and Jan Sládek (Povysoké chemické závody, Zlín, Czech.). *Chem. Listy* 49, 106-70 (1955).
The ternary phase equil. diagrams at 30° and 50° were obtained by the synthetic method. The compns. of the conjugated solns. were determined refractometrically and viscometrically. The values of these phys. consts. are given in dependence on the $(\text{NH}_4)_2\text{SO}_4$ content. Below the m.p. of α -caprolic acid the system shows 6, above the m.p. 4 equil. ranges. Industrial applications are discussed.
B. Erdös

L 1663-66 EWT(l)/EWP(w)/T/EWP(t)/EWP(b)/EWA(h) IJP(c) JD/AT
ACCESSION NR: AP5024326 CZ/0037/64/000/006/0552/0554

AUTHOR: Cimpl, Zdenek; Kosek, Frantisek; Sladky, Jaromir
4465 4455 4455

TITLE: Semiconducting properties of copper molybdate

SOURCE: Ceskoslovensky casopis pro fysiku, no. 6, 1964, 552-554

TOPIC TAGS: electric conductivity, copper compound, molybdate, semiconductivity

ABSTRACT: Studied was the dependence of electric conductivity of copper molybdate, prepared by the synthesis of CuO and MoO₃, on temperature, nature of the thermo-electric EMF, and influence of the partial oxygen pressure at higher temperatures.
Orig. art. has: 5 formulas, 1 graph.

ASSOCIATION: Vysoka skola chemicko-technologicka, Pardubice (College of Chemical Technology)

SUBMITTED: 29 May 64

ENCL: 00

SUB CODE: IC, EM

MR REF Sov: 000

OTHER: 009

JPRB

Card 1/1 SP

L 21166-66

ACC NR: AP6010961

SOURCE CODE: CZ/0080/65/000/004/0099/0099

33

B3

AUTHOR: Kosek, Frant; Sladky, Jaromir; Cvrkal, Ivan; Cimpl, Zdenek

ORG: Department of Physics, Graduate School of Chemical Engineering, Pardubice
(Katedra fyziky Vysoka skoly chemicko-technologicke)

TITLE: Simplified transistorized regulator of temperatures to 1500°C

SOURCE: Automatizace, no. 4, 1965, 99

TOPIC TAGS: temperature regulator, transistorized circuit

ABSTRACT: The article describes a transistorized temperature regulator. At 500-1000°C it maintained the temperature with an accuracy of $\pm 0.15^\circ\text{C}$ with a Pt-PtRh thermocouple. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none

Card 1/1 BK

L 20238-66 EWP(t) JD
ACC NR: A76010319

SOURCE CODE: CZ/0037/65/000/006/0534/0535

AUTHOR: Gladky, Jaromir; Cimpl, Zdonek

ORG: Graduate School of Chemical Technology, Pardubice (Vysoka skola chemicko-technologicka)

TITLE: Semiconducting properties of silver chromate

SOURCE: Ceskoslovensky casopis pro fysiku, no. 6, 1965, 534-536

TOPIC TAGS: semiconductivity, silver compound, chromate, temperature dependence, semiconductor conductivity, thermoelectronotive force

ABSTRACT: The article reports results obtained in an investigation of the temperature dependence of the conductivity and the influence of acids on the conductivity and the sign of the thermoelectric force of two high-purity variants of Ag_2CrO_4 . Orig. art. has: 1 figure and 2 formulas. [JPRS] 44 19

SUB CODE: 20, 07 / SUBM DATE: 16Feb65 / ORIG REF: 002 / OTH REF: 004
SOV REF: 001

Card 1/1 mg S

L 33611-66

ACC NR: AP6025054

SOURCE CODE: CZ/0017/66/055/001/0026/0029
*55
B*

AUTHOR: Sladky, Josef (Engineer)

ORG: Skoda, Plzen

TITLE: Contribution to the solution of short circuits in dc machines

SOURCE: Elektrotechnicky obzor, v. 55, no. 1, 1966, 26-29

TOPIC TAGS: direct current, electric equipment, torque, magnetization, nonlinear differential equation, digital computer

ABSTRACT: The problem is considered of calculating the short-circuit current and torque in a dc machine, taking into consideration the nonlinear magnetization characteristic, moment of inertia of the rotating masses, and the torque of the driving machine. The nonlinear differential equations are solved by means of a digital computer. The results are compared with the current waveforms, assuming a linear magnetization characteristic and an infinite energy of the rotating masses. The influence of the magnitude of the parameters in the equations upon the time behavior of the short circuit is also compared. This paper was presented by Professor, Engineer J. Chladek. Orig. art. has 5 figures and 24 formulas. Based on author's Eng. abstract / UPRS: 35,322/

SUB CODE: 09, 20 / SUBM DATE: 14Apr64 / ORIG REF: 004 / OTH REF: 001 / Sov REF: 002

UDC: 621.313.2.014.3

0916

0221

Card 1/1

SLADKY, V.

AGRICULTURE

PERIODICAL: VE. TNIK, VOL. 6, no. 2, 1959

Sladky, V. Making transportation more economical. p. 89.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 5,
May 1959, Unclass.

SLADKY, V.

The use of the driving axle for tractor-trailers in agriculture. p.21.
(Beseda Venkovake Rodiny, Vol. 30, No. 1, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessiors (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

✓ Application of the phloroglucinol reaction to the study of progressive lignification of cell walls. M. Spurný and Z. Sládový (Masarykova Univ., Brno, Czech.). *Preslia* 27, 243-52 (1955).—The progressive lignification of the sclerenchymatic bast fibers of *Abutilon avicinnae* was studied by the phloroglucinol reaction (I) and with 72% H₂SO₄. I was applied to the cross sections of the plant stems. The intensity of the reaction was compared with a color-scale prep'd. by means of application of aniline dyes to the fixed gelatinous layer of a photographic slide. Results of the 2 methods differed considerably. I is subject to great errors and cannot be used for detn. of lignin, but only for distinguishing the lignified membranes.

K. Macek

(1)

M

CZECHOSLOVAKIA/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur Biol., No 18, 1958, 82456

Author : Plhak Frantisek, Sladky, Zdenek

Inst : Massaryk University

Title : Utilization of Pre-Planting Treatment of the Seeds by
Mokin as Method for Sugar Beet Seeds.

Orig Pub : Spisy vyd. prirodoved. faki, Massarykovy univ., 1957,
No 5, 267-278

Abstract : The sugar beet seeds were dipped in the extract from the
meal of other plants (wheat, barley, pea and corn) but
not from the plants of the same species. This treatment
was combined with the extraction of the pericarp with wa-
ter, awakening the embryo and the subsequent drying of
the seeds. The acceleration in the growth of the plants
after such treatment is explained chiefly by the

Card 1/2

- 127 -

SLADKY, Z.

Effect of extracted humus substances on the growth of tomato plants. In English.
p. 142.

BIOLOGIA PLANTARUM. (Ceskoslovenska akademie ved. Biologicky ustav) Praha,
Czechoslovakia. Vol. 1, no. 2, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959
unclu.

SLÁČEK Václav (Brno, Kotlarska 2)

Combination of organic substances with mineral nutrients and
substances with fungicidal properties for spraying plants.
Biologia plantarum 6 no.4:250-257 1964.

1. Laboratory of Plant Physiology and Anatomy of the Faculty
of Natural Sciences of the Purkyne University, Brno. Submitted
December 17, 1963.

SLADNIKOV, I.V.

(4) fuel

Fuel Abstracts
May 1954
Natural Solid
Fuels: Preparation

✓ 3454. IMPERFORATION OF THE TEKKB PULVERIZED FUEL SEPARATOR.
Vaizel, L.E., Vainitskii, S.R., Gachegov, A.I. and Sladnikov, I.V.
(Elekt. Sta. (Pvz Sta., Moscow), June 1953, vol. 24, 8-10). With screen
R88 the efficiency of the separator was found to be high and the
aerodynamic resistance low. Owing to the low velocity of the aerated dust
flow the elements of the separator are subjected to little wear and tear.
The use of the separator for ordinary and lean coal permitted an increase
in mill productivity and a reduction in power consumption. B.E.A.

SLADOVNIK, Karel, inz.

Intensive fodder production and its use on the farms fertilized by animal manure in Austria. Vest ust zemedel 10 no.9:347-350 '63.

1. Ustredni vyzkumny ustav zivocisne výroby, Uhrineves.

ZUYEV, Dm.; SLAGODA, F.K.; BEDNARSKAYA, G.A.; KRAVCHENKO, Z.I.;
STRIZHEV, A.N.; PEVZNER, V.I., tekhn. red.

[Rural calendar for 1962] Sel'skii kalendar' 1962. Mo-
skva, Sel'khozizdat, 1961. 174 p. (MIRA 15:11)
(Almanacs)

BEDNARSKAYA, G.A.; ZAMOTA, V.G.; KRAVCHENKO, Z.I.; SLAGODA, F.K.;
PROKOF'YEVA, L.N., tekhn. red.

[Calendar for farmers, 1963]Sel'skii kalendar' 1963. Moskva,
Sel'khozizdat, 1963. 190 p. (MIRA 16:2)
(Calendars) (Agriculture)

RUMANIA/Human and Animal Physiology - Blood. General Problems. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 12584

Author : Varachiu, Nicolae; Slageanu, Gheorghe; Ionescu, Ariadna

Inst : Rumanian Society

Title : Blood Changes with Introduction of Suspensions of
Homologous Nerve Substances

Orig Pub : An. Rom-Soc. Ser. zoothn. med. veterin., 1957, 11, No 2,
63-72

Abstract : No abstract.

Card 1/1

- 31 -

SLACOROVÁ, H.

"They Understood; a Short Story", p. 458, (EPIDLA VLASTI, Vol. 4, No. 20,
Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), 1C, Vol. 4,

No. 1, Jan. 1955, Uncl.

SLAGOROWA, H.

"Finale of the Dukla Pace of Military Preparedness", p. 45^o, (KRIDLA
VLISTA, Vol. 4, No. 2, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EFLA), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

CZECHOSLOVAKIA

V. GROSSMANN, H. DYTNIROVA, J. SLADK and J. KORHOVA; Department of Pharmacology, Medical Faculty of Charles University (Farmakologicky ustanov lekarske fakulty UK [Karlove Univerzity] Head (predosta) Prof Dr V. GROSSMANN, Bratislav Kraeve.

"Change in Effect of Epinephrine and Norepinephrine on Blood Pressure in Irradiated Animals."

Prague, *Casopis Lekaru Ceskych*, Vol 102, No 7, 15 Feb 63; pp 169-172.

Abstract (English summary modified): Change in blood pressure response to the 2 amines in rats and mice receiving 600 r. and rabbit 1000 r; intravenous toxicity increases, blood pressure effect in anesthesia decreases (with epinephrine, no decrease at very high doses); no change in effect on isolated heart. Speculatively changes are of central origin; possibly also due to increased epinephrine sensitivity of heart. Seven graphs; 9 references: 6 Western, Czech, Polish, Soviet.

SLAHOR, L.

Remarks on the Quaternary formation in the environs of
Kral'ovsky Chimec. p. 65.

Slovenska akademia vied. GEORLOICKY SBORNÍK. CZECHOSLOVAKIA

Vol. 6, No. 1/2, 1955

SOURCE: East European Acquisitions List (EEAL) Library
of Congress. Vol. 5, No. 1. January, 1956.

JIRKU, E., inz.; SLAHUCKA,V.

Evaluation of the stability of raw cement material particles
under thermal shock. Stavivo 42 no.4:122-126 Ap '64

1. Vyvojove pracovisko ZMAV, Horne Srnie.

L 62739-65 EWP(t)/EWP(b) JD
ACCESSION NR: AP5021402

CZ/0034/64/000/012/0837/0841

AUTHOR: Slahunek, Stanislav (Engineer); Volg, Jan (Engineer)

11
B

TITLE: Blast furnace works at Trinec and its future development

SOURCE: Hutnicke listy, No. 12, 1964, 837-841

TOPIC TAGS: blast furnace, metal industry, steel industry, iron

ABSTRACT: The article is written at the occasion of the 125th anniversary of foundation of the works. A history of the works is given; great attention is being given to the modifications, that were made after the Communist revolution in 1948, to conform with Russian practices. Composition of the raw iron for steel works in the years 1955 to 63 is given. Intensity of production, consumption of coke, rate of production are discussed. Orig. art. has: 2 figures, 3 graphs, 1 table.

ASSOCIATION: Trinecke zelezarny VRSR (Trinec Iron Works VRSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, GO

NR REF Sov: 000

OTHER: 000

JPRS

Card

1/1

Z/034/60/000/08/001/030
E073/E335

AUTHOR: Šlahúnek, Stanislav, Engineer

TITLE: Increasing the Rate of Output of Blooming and Billet Mills

PERIODICAL: Hutnické listy, 1960, Nr 8, pp 587 - 595

ABSTRACT: This paper was presented at the Conference on Rolling held on March 9-10, 1960, in Prague. The output of the newest Czech blooming mills installed at NHKG and TŽ VŘSR is considerably lower than the comparable output of some Soviet or Western Blooming Mills. There are several examples of older Soviet rolling mills which have been modified and reconstructed and have a considerably better performance than the Czech rolling mills. For this reason a commission of experts from the Socialist bloc countries was formed at the end of 1958, which investigated the operation of selected blooming mills in the Soviet Union, Poland, East Germany, Czechoslovakia and Hungary and this commission has issued a joint report with a number of recommendations on improving the operation of blooming mills. This gave the first impetus to systematic improvements of performance of Czech mills. In this article the performances of two Soviet and two Czech mills are compared.

Card1/5

Z/034/60/000/08/001/030

EO73/E335

Increasing the Rate of Output of Blooming and Billet Mills
described in greater detail. The main measures to increase the performance of the Czech mills were: increasing the diameter of the rolls to 1 160 mm; re-arrangement of the grooving of the rolls so as to increase the average reductions (see dimensional sketch, Figure 1, p 591); reduction of the number of edgings. By means of the introduced measures it became possible to increase the productivity by 25%, to reduce the number of passes from 19 to 15 in the case of 8-ton ingots and from 17 to 13 in the case of 6-ton ingots. During experimental rolling, the number of passes was reduced by up to six. The increased rate of rolling did not bring about an increase in the rate of failure in the equipment. For 8-ton ingots of 235 x 235 mm the rolling cycle duration was 92.3 sec, including the pause between rolling the next ingot. An increase in the reduction by an average of 20% was achieved, whereby the reversal time was reduced from 2.8 sec to 1.9 sec and the rotation of the rolls was accelerated by 10%. The following recommendations are made for further work on increasing the productivity of Czech

Card 3/5

Z/034/60/000/08/001/030

E073/E335

Increasing the Rate of Output of Blooming and Billet Mills

blooming and billet mills: 1) To assign to the group concerned with automation of blooming mills the task of "improving the technology of blooming mills and intensifying the output of the mechanical and electrical equipment"; this would enable the group concerned with automation of blooming mills to pass on their experience and to coordinate, at least to some extent, the work relating to increasing productivity. 2) This group should be entrusted with working out a draft specification for unified measurements to be carried out in all Czech blooming mills with the aim of improving the performance of the mechanical and electrical equipment from the point of view of comprehensive automation of blooming mills. 3) The Commission on Grooving should carry out a detailed analysis and evaluation of the reduction schedules, which are mostly in use in the various blooming mills and of the groovings of billet mills. 4) In both groups, a detailed analysis should be made of the measures introduced so far for increasing the

Card 4/5

Z/034/60/000/08/001/030
E073/E335
Increasing the Rate of Output of Blooming and Billet Mills
productivity, particularly those taken at NHKG and
TŽ VRSR.

There are 1 figure and 5 tables.

ASSOCIATION: Trinické železárny VRSR (Třinec Ironworks, VRSR)

Card 5/5

SLAIDINS, Janis; TRILISKIS, Abrams; PURNE, Silvija; ENDZELINA, M.,
red.; AKE, I., tekhn. red.

[Transfusion of blood and blood substitutes] Asins un asins
aizvietotaju parliesana. Riga, Latvijas Valsts izdevnieciba,
(MIRA 15:3)
1961. 164 p.
(BLOOD--TRANSFUSION) (BLOOD PLASMA SUBSTITUTES)

SLAIS, J.

SLAIS, J.

Giant cells and structural development of their nuclei. Chekh.
biol. 3 no.2:79-85 Apr 54.

l. Teoreticheskiye instituty Voyenno-meditsinskoy akademii v Gradtsce
Kralove.

(CALL NUCLEUS,
*giant cell nuclei, structural develop.)

SLAVI, J.

Origin and development of some polynuclear formations. p. 333
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 6, Nov. 1954

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4, No. 9, Sept. 1955
U.S.A.

SLAIS, J.

Appearance and development of certain multicellular formations. Chekh.
biol. 3 no.6:352-358 Dec 54.

1. Institut obshchey biologii meditsinskogo fakul'teta Karlova
universiteta, filial v Pil'zene.

(ACRYLIC RESINS,
implants, multicellular formations in coalescence in rabbits)

(CELLS,
multicellular formations in coalescence after acrylic
implants in rabbits)

(TRANSPLANTATION,
acrylic implants, multicellular formations in coalescence
in rabbits)

SLAIS, Jaroslav

So-called acid nuclei and development of basophil granulation.
Cesk. biol. 4 no.4:227-234 Apr 55.

1. Ustav pro obecnou biologii lekarske fakulty Karlovy univerzity v
Plzni.

(CELL NUCLEI,
acid nuclei & develop. of basophil granulation)

J. SLAIS, J.
CZECHOSLOVAKIA / General Biology. General Histology B-3
Abs Jour: Ref Zhur - Biol., No 6, 1958, 23755
Author : Slais Jaroslav.
Inst : Not given
Title : Form and Development of Multinuclear Cell Formations.
Orig Pub: Vesmir, 1956, 35, No 10, 328-331

Abstract: Megacariocytes of bone marrow are typical giant cells which develop under normal conditions. Giant cells can arise not only from the endothelium, but also from mesothelium and epithelium. A description is given of osteoclasts and chondroclasts reaching a diameter of 100μ . In their physiological properties they resemble cells which appear as pathologic formations. The majority have a characteristic vesicular nucleus and a nucleolus of an irregular form. Langhans cells are found not only

C Card 1/2

SLAIS, J.

Histologic studies in cysticercosis of the brain. Wiad. parazyt.
10 no.4:313-314 '64

I. Department of Parasitology, Academy of Sciences, Praha.

SLAIS, Jaroslav; technicka spoluprace ZAKAVCOVA, V.

Histological demonstration of thrombocytes and of their accumulations.
Cesk. morf. 10 no.4:421-426 '62.

1. Biologicky ustav CSAV v Praze, reditel: akad. J. Malek a Sikl u
patologicko-anatomicky ustav lekarske fakulty KU v Plzni, prednosta:
prof. Dr. J. Vanek.

(BLOOD PLATELETS)

UDC 379.2:320.52

CZECHOSLOVAKIA

KOLOMAZNIK, Milan; SLAISOVA, Olesa; HRONEK, Jaroslav; Psychiatric Department, "military Hospital (Psychiatricke Oddeleni Vojenske Nemocnice), Plzen.

"Useful Employment of Illiterates in the Army."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 3, Jun 66, pp 129 - 134

Abstract: The causes of illiteracy are discussed; in Czechoslovakia army concentrates illiterates in two specialcourses, with special treatment lasting for 2 months and given at the start of the military service. In many cases the soldiers are discharged from the army because of too low an intelligence. 92 soldiers in one of the courses were investigated; 75% were gypsies, 46% came from families with psychopathic history, 30% came from families with 8-10 children. Drinking and smoking does not seem to be connected with this problem. Out of 71 soldiers given the Wechsler-Bellevue- IQ Test only 5 had an IQ of 81-90, the rest below 80%. Only 20% of those who attended the courses learned to use letters. No references.

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Results of gastric acidity tests with a catheter. Sborn. lek. 63
no.10:309-312 0 '61.

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Karlovych v Praze, prednosta prof. dr. Mojmir Fucik.
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(TRACHEOTOMY) (BRONCHOPNEUMONIA) (PNEUMOTHORAX)
(BRONCHIAL FISTULA)

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Case of primary lymphosarcoma of the duodenum healed with
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Journal of Applied Chemistry
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Chromium-tungsten-vanadium steels for steam turbines. ✓
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2660* Mechanical and Physical Properties of Titanium Stabilized Austenitic Chromium-Nickel Steel Castings. Mečíla-
nicko a Tykalní vlastnosti odolku z austenitické chrom-
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Antonín Fink, and Jaroslav Šlais. *Hutnické Listy*, v. 9, no.
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Changes in the action potential of peripheral nerves in functional
changes of the impulse. Acta med. iugosl. 15 no.3:259-268 '61.

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K-6

Abs Jour : Ref Zhur - Fizika, No 11, 1958, No 26210

Author : Ketskemety I., Gergye L., Slakovits E.

Inst : The University, Szeged, Hungary

Title : On a New Photoelectric Measuring Setup for the Investigation of Polarization of Luminescence.

Orig Pub : Acta phys. et chem. Szeged, 1957, 3, No 1-4, 16-20

Abstract : Description of a setup for the measurement of the degree of polarization of the fluorescence of solutions, based on the principle of electric compensation using two photoelectric multipliers. This differs from the setup constructed by Woer (Referat Zhur Fizika, 1957, No 9, 23958) in that it makes it possible to investigate the fluorescence light in a direction parallel to the direction of the exciting light. This makes it possible to exclude the effect of depolarization of the secondary fluorescence (Referat Zhur Fizika, 1958, No 4, 9291). A method is given for taking into account the systematic errors that are introduced by the passing light and by the luminescence of the crossed filters of the setup.

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